



Isoprenoid Pathway in *E. coli*

Pyruvate + G3P

dxs
dxr
ygbP
ychB
ygbB
lytB



IPP (C5) \longleftrightarrow DMAPP (C5)

ispA
↓
GPP (C10)

ispA
↓

FPP (C15)

crtE
↓

GGPP (C20)

crtB
↓

Phytoene

crtI
↓

Lycopene

crtY
↓

β -carotene

E. coli isoprenoid
biosynthetic
pathway

Pantoea stewartii
crt genes on
reporter plasmid

FIG. 1

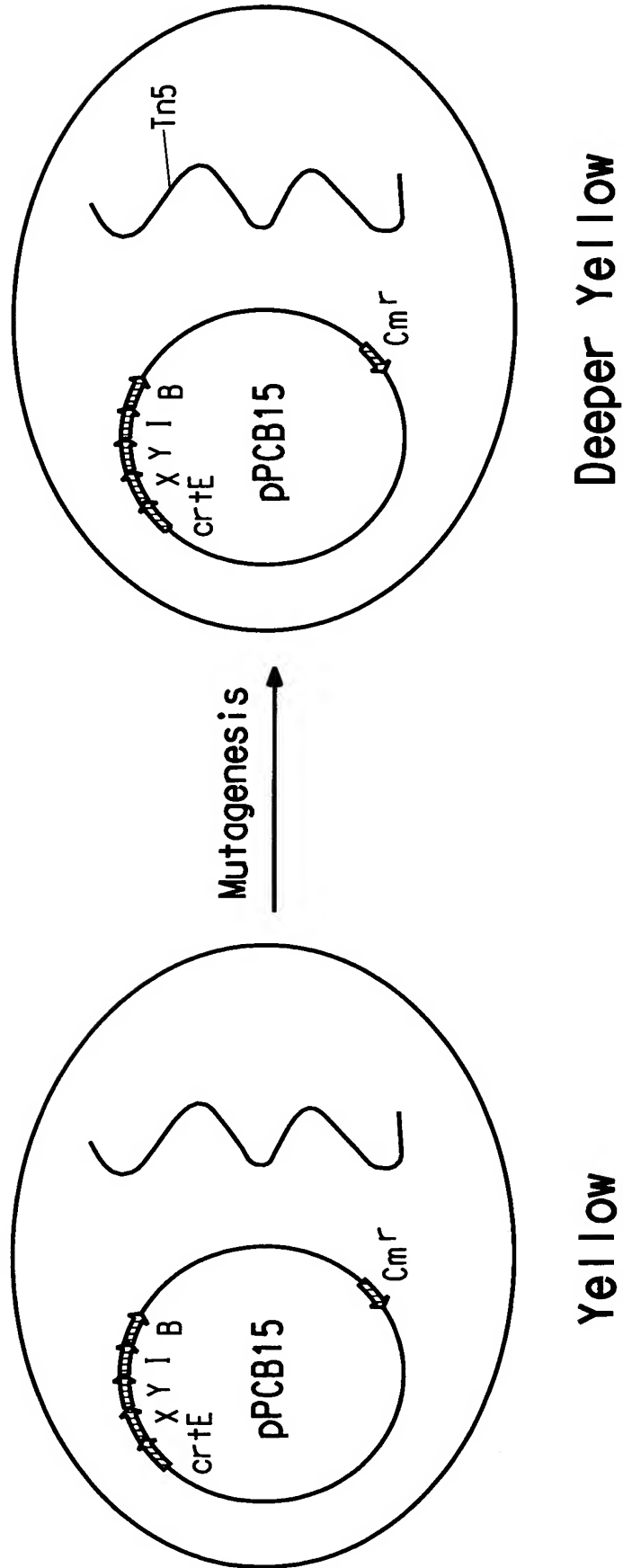


FIG. 2

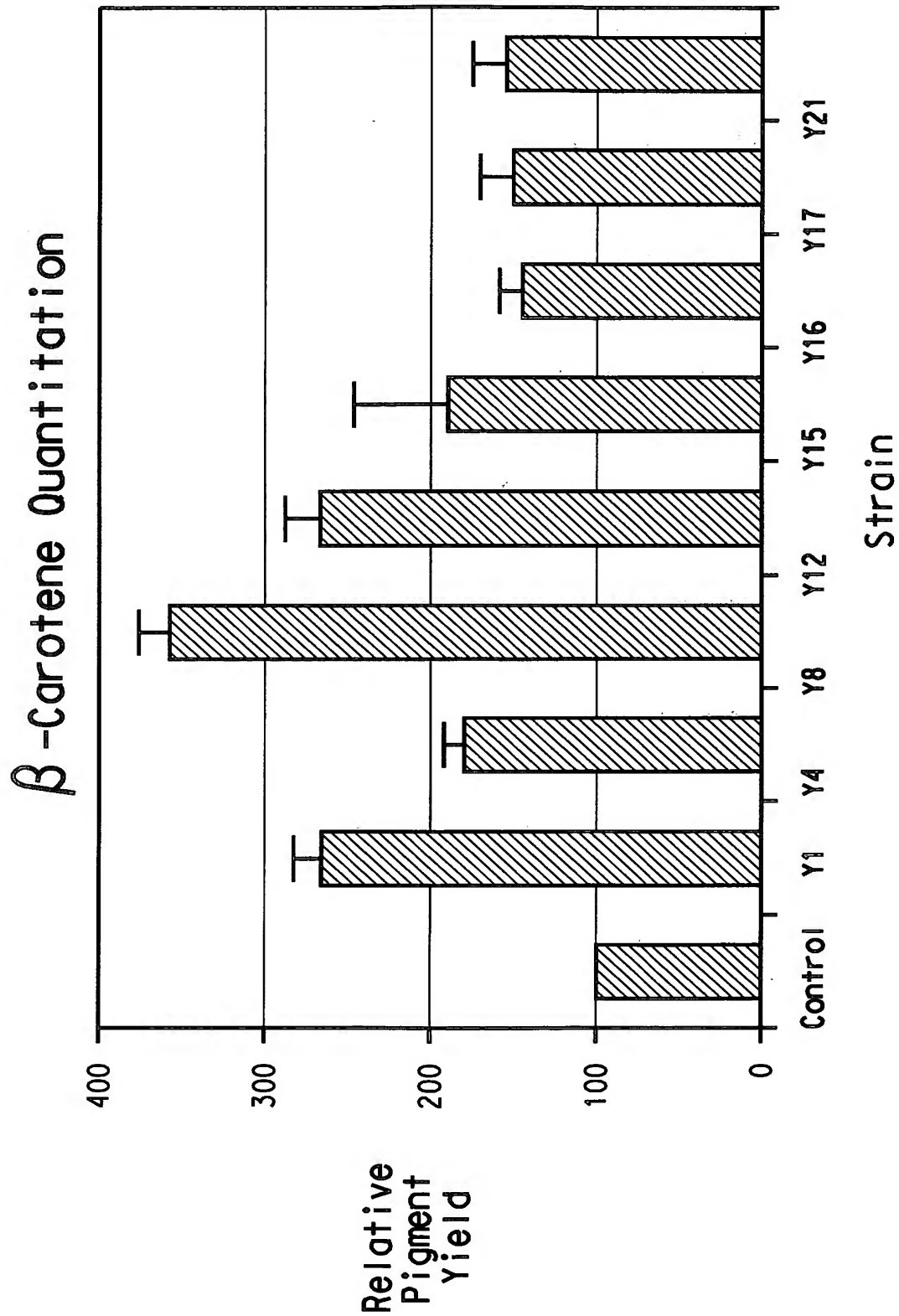
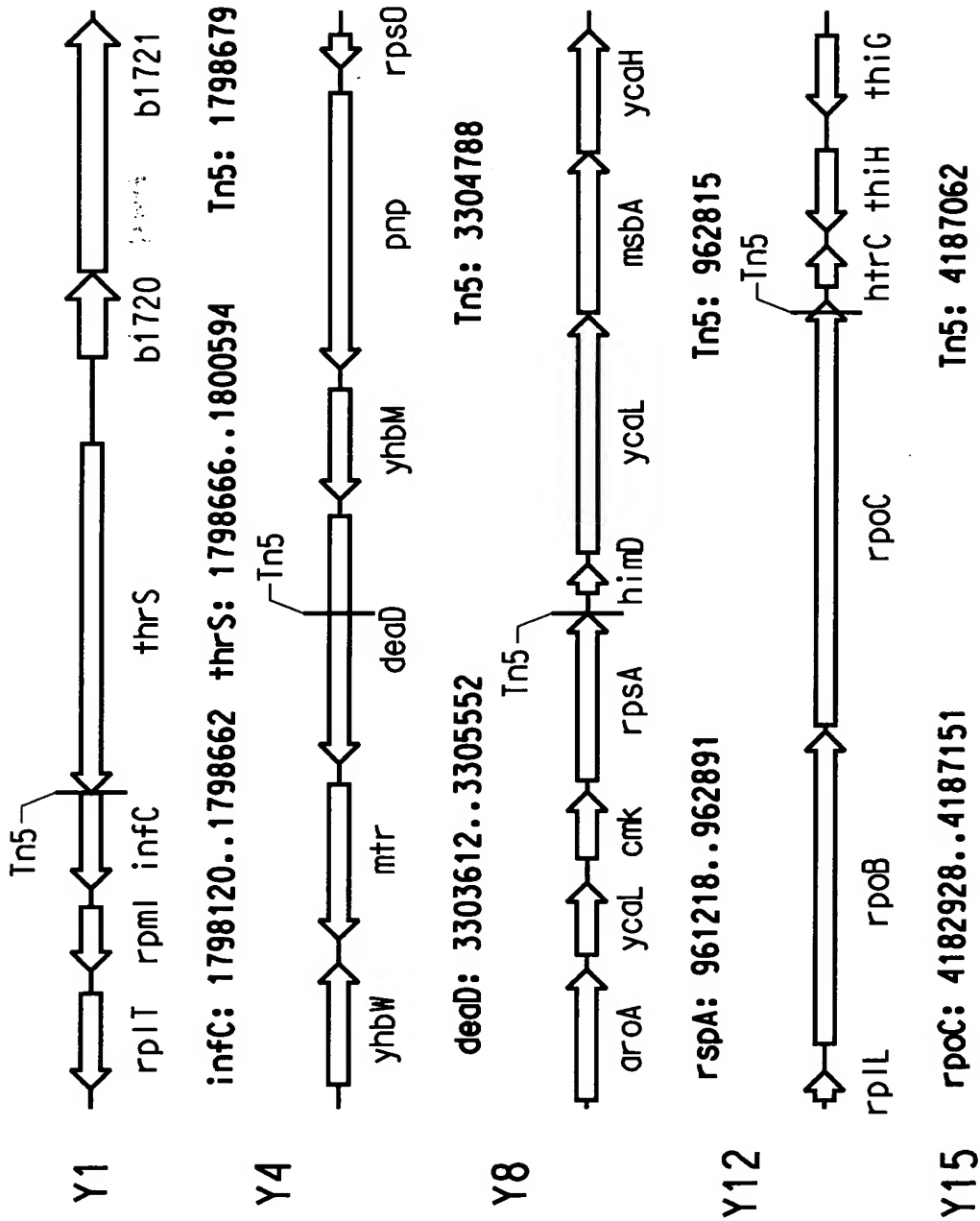


FIG. 3



Continued on Fig. 4B

FIG. 4A

Continued from Fig. 4A

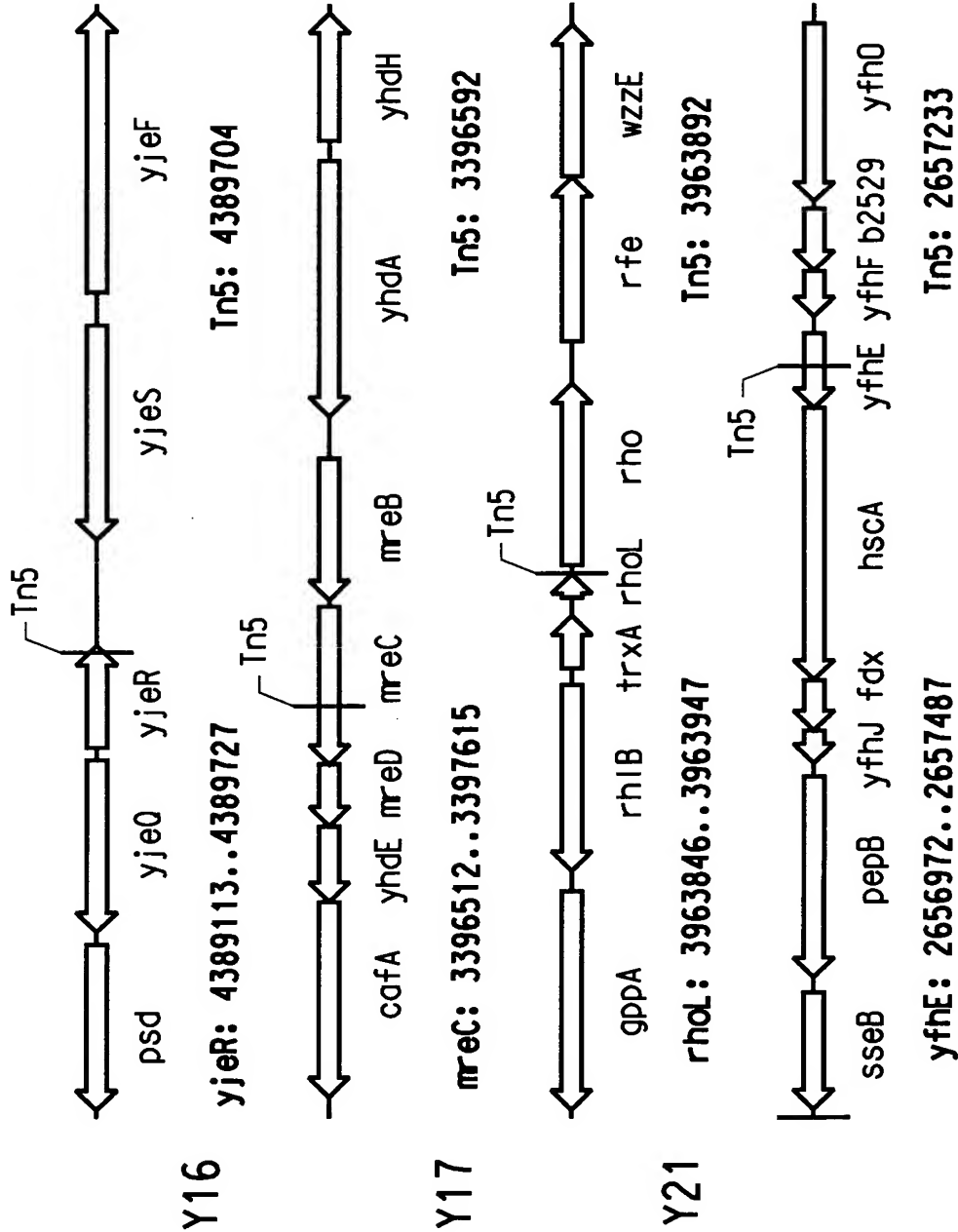


FIG. 4B

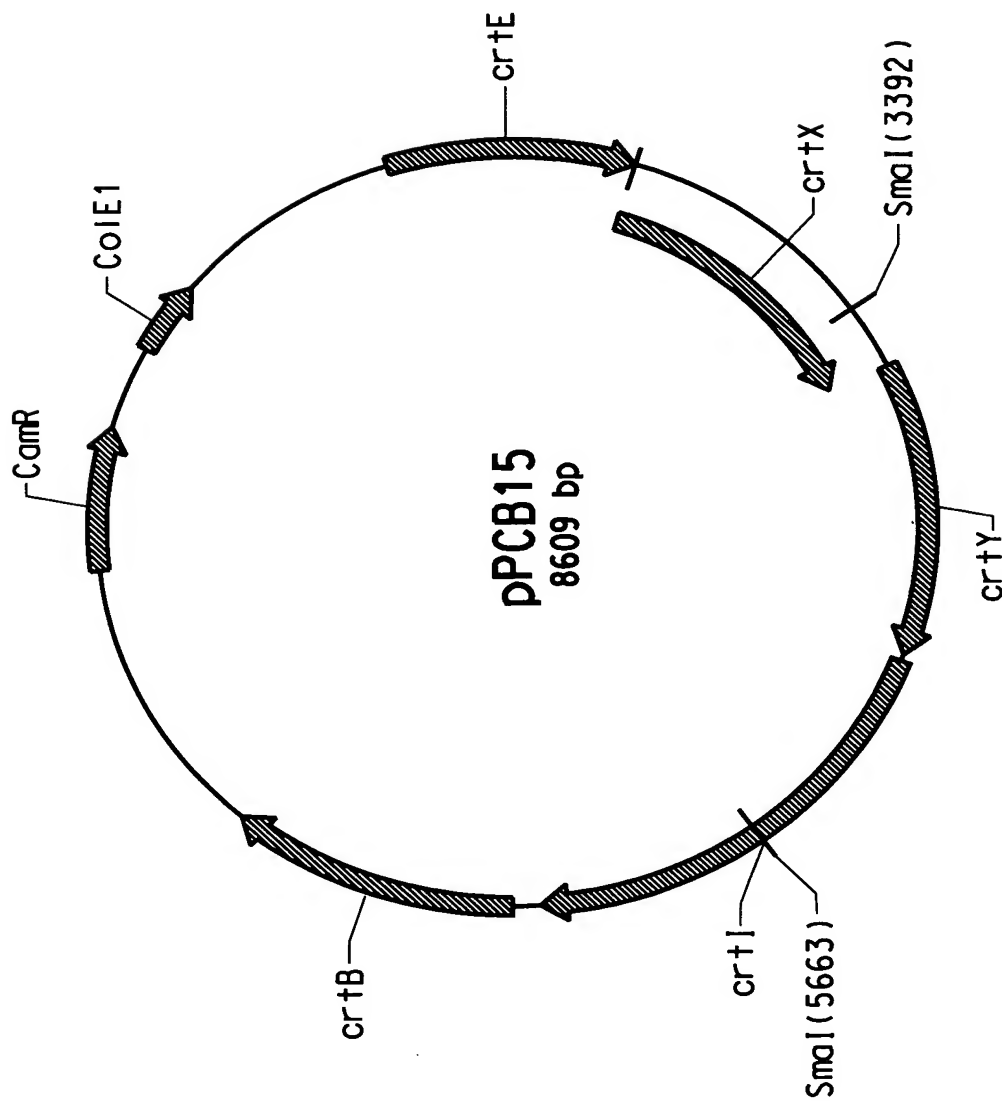


FIG. 5